



PARTS LIST

ITEM#	QTY	DESCRIPTION	PART NUMBER	MANUFACTURER
1	1	FUSE DISCONNECT, 600V, (SEE FUSING TABLE), WITH FUSES (3)	PER CONTACTOR SIZE	BUSSMAN
2	3	FUSE, 2A, 500VAC	FNQ-2	BUSSMAN
3	1	INDUSTRIAL CONTROL TRANSFORMER 480-120VAC	9070T200D1	SQUARE D
4	1	FUSE, 2A, 250VAC	FNM-2	BUSSMAN
5	1	SSAC PHASE MONITOR RELAY	HLMUDRAAA	LITTLEFUSE
6	1	MOTOR CONTACTOR, SIZE 1, 120V, 600VAC	85Q2SC02S	SCHNEIDER
7	1	THERMAL OVERLOAD, MOTOR LOGIC, SOLID STATE, CLASS 10/20		SCHNEIDER
8	1	SINGLE POLE DT RELAY 24VDC, 10A	RH1B-ULDC24V	IDEC
9	1	SOCKET, FOR RH1B RELAYS DIN RAIL MOUNT	SH1B-05	IDEC
10	1	SURGE TEC, 48-62HZ 650V MAX, SECONDARY SURGE ARRESTER	Z3-650-3	MACLEAN PWR SYS
11	1	AUX CONTACT BLOCK, TESYS DECA, 1 NO & 1 NC, TOP MOUNT (MOTOR CONTACTOR)	LADN11	SCHNEIDER
(OPTIONAL)-12	1	PERCENTAGE TIMER, 15 MIN, OP SERIES, 120-240VAC, 15A, FRONT PANEL MOUNT	CP-15M-A	ATC
13	1	1 NO/1 NC, 30MM PANEL MOUNTING SIZE	9001KA1	SCHNEIDER
14	1	SELECTOR SWITCH 600VAC 10A 30MM T-K	9001KS43BH13	SCHNEIDER

FUSE GUIDE

NEMA STARTER SIZE	MOTOR HP	MOTOR DISC SIZE [AMPS]	MOTOR FUSE SIZE [AMPS]	MOTOR FUSE TYPE
0	0.5	20	1	LPS-RK
	0.75	20	3	LPS-RK
	1	20	3	LPS-RK
	1.5	20	5	LPS-RK
	2	20	5	LPS-RK
	3	20	8	LPS-RK
1	5	20	12	LPS-RK
	7.5	30	20	LPS-RK
1	10	30	20	LPS-RK

PHASE MONITOR SETTINGS

PHASE MONITOR RELAY: 200-480 VAC			
SETTING	RANGE OF ADJUSTMENT	SET POINTS	UNITS
RESTART DELAY	0.6-300	180	SECONDS
V LINE	200-480	480	VOLTS
UNBALANCE	2-10	10	PERCENT
TRIP DELAY	1-30	10	SECONDS

- NOTES:
1. INSTALLED BY PANEL FABRICATION SHOP.
 2. FUSES SHALL BE LPSRK TYPE, AND THE CAPACITY SHALL BE SELECTED FROM FUSE GUIDE.
 3. RELAY TO BE DISCONNECTED IF PERCENTAGE TIMER IS USED AND TERMINALS 3 & 4 TO BE JUMPED.

ENGINEERING AND DESIGN
TEXAS REGISTERED
ENGINEERING FIRM #098

HIT
CONSULTANTS, INC.

MIDLAND, TEXAS

SIZE-1 STARTER
SCHEMATIC
DIAMOND BACK

NO.	REVISION/ISSUE	BY	CHK./REVIEW APPR.	DATE
1	FOR REFERENCE	ML	JG	7/25/24
0	FOR REFERENCE	ML	JG	5/30/24

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